P-030R1

Police Modifier Bulletin

SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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Integrated Diagnostic System (IDS) Enabled Interior Cabin Heating For Virus Reduction

(See Police Modifier Bulletin P-031 for 3.7L Duratec - Operator Commanded Interior Cabin Heating For Virus Reduction)

REVISION	UPDATE	REVISION DATE
P-030	INITIAL RELEASE	28 / MAY / 2020
P-030R1	Add additional vehicles supported by this procedure	14 / JUL / 2020

Models Affected

2013MY to 2019 Police Interceptor Utility vehicles
2013MY to 2019 Police Interceptor Sedan vehicles

Purpose

Provide information regarding a new IDS service function tool that activates a heating procedure for 2013-2019 Police Interceptor Utility vehicles and 2013 to 2019 Police Interceptor Sedan vehicles – when combined with Centers for Disease Control and Prevention (CDC) guidelines – helps reduce virus counts inside the interior of Police Interceptor Utility (PIU) vehicles. Follow the Service Procedure steps to perform the virus reduction procedure. This information also included in Technical Service Bulletin TSB 20-2209 which supersedes TSB 20-2173.

NOTE: This is not a diagnostic routine and should not be used in any way to repair a vehicle. This procedure cannot be submitted on a warranty claim. This procedure is only intended for the first and second row seating areas. Ambient temperatures will affect this procedure. When performing this procedure, ambient temperatures should be above approximately 10°C (50°F).

Integrated Diagnostic System (IDS) Enabled Interior Cabin Heating For Virus Reduction (continued)

Action: The Service Procedure may be applied to vehicles that meet all of the following criteria:
- 2013-2019 Police Interceptor Utility vehicles
- 2013-2019 Police Interceptor Sedan vehicles
- Equipped with a 3.7L TiVCT, 3.5L TiVCT, or 3.5L ecoboost engine
- Vehicle must have at least a 1/4 tank of fuel

Warranty Status: Information Only – Not Warrantable.

Repair/Claim Coding

Causal Part:	IN
Condition Code:	01

Service Procedure

WARNING: Ford Motor Company is not responsible for any failure in following these instructions which may result in serious personal injury or damage to a vehicle. Performing this procedure will increase the interior temperature of the vehicle. Before performing this procedure, remove all occupants from the vehicle along with any equipment that should not be exposed to excessive heat. These may include, but are not limited to: personal items, cell phones, laptops, battery operated equipment, weapons, ammunition, oxygen tanks, backpacks, gas detectors, liquids, medical equipment, personal protective equipment and/or potentially flammable material. Make sure to exercise caution when entering the vehicle after this procedure has been performed. Interior surfaces will be hot. Exhaust gases will be generated during this procedure. Failure to perform this procedure in a well ventilated area could result in elevated concentrations of exhaust gases in and around the vehicle.

NOTE: This procedure is intended to be run on vehicles that follow all manufacturer suggested maintenance and with all fluid levels being set to manufacturer suggested levels.

NOTE: If the Ford-installed secure idle vehicle option is desired to be used in conjunction with this interior cabin heating procedure, then it is required to press the secure idle button before entering this procedure.

Integrated Diagnostic System (IDS) Enabled Interior Cabin Heating For Virus Reduction (continued)

1. Place the vehicle in PARK in a well ventilated area or in a garage with vehicle exhaust extraction equipment attached and properly functioning.

2. Is the engine at or near normal operating temperature?

    (1). Yes - proceed to Step 3.

    (2). No - bring the engine up to normal operating temperature.

3. Make sure the hood, liftgate (Utility Interceptor), trunk lid (Sedan Interceptor) and doors are closed. Make sure all windows are closed except for the left front door window.

NOTE: Do not open the hood, liftgate, doors, or windows while the procedure is in operation as it may extend or abort the procedure.

4. Open any sliding partitions and remove any first-to-second row barriers that can be easily detached or removed. This will maximize heat transfer to the second row seating area.

5. Make sure that all footwells and heating, ventilation, and air conditioning (HVAC) ducts are open and clear from any obstruction. This includes removing or relocating any loose items located under the front seats.

6. Make sure the climate control system is off. Make sure all instrument panel register vents are pointing directly towards the rear of the vehicle.

7. Lower the left front window and route only the IDS diagnostic link connector (DLC) cable through the window.

CAUTION: Do not use the wireless universal serial bus (USB) cable of the VCMII for this procedure. The IDS DLC cable must be used for this procedure.

NOTE: Make sure that all IDS equipment, with the exception of the DLC cable, is located outside the vehicle. It may be necessary to provide adequate support and/or shelter for your IDS equipment.

8. Connect the IDS DLC cable to the vehicle's diagnostic connector located under the instrument panel.

9. Raise the left front window so that only a gap large enough for the IDS DLC cable is able to fit through.

10. Fill the remaining window gap. The use of pipe insulation or equivalent may assist with filling the window gap. The pipe insulation can be installed along the top ridge of the window glass with the pipe slit being placed along the top of the window glass. (Figure 1)

WARNING: Vehicle interior temperatures will rise and will be hot. Do not use anything to seal the window gap that may melt, burn, or be flammable.

Figure 1

NOTE: Sealing up the window gap is essential for this procedure.

NOTE: To assist with this procedure and reduce the overall time required to complete, it is recommended that a partition, potentially made of foam board insulation, wood, cardboard, or equivalent be created and installed between the second row seating area and the cargo area on Police Interceptor Utility vehicles. (Figure 2)

Figure 2

11. Start the vehicle.

12. Exit the vehicle

WARNING: Failure to exit the vehicle prior to initiating the procedure will result in exposure to dangerously high temperatures and could result in exposure to elevated concentrations of exhaust gases.

13. Close the left front door.

14. Start a new IDS session using IDS software version 118.01 or later.

15. Select Toolbox > Body > Service Functions > Interior Cabin Heat Soak and follow the instructions on screen.

NOTE: This procedure may last up to 2 hours. This is largely dependent on exterior and interior ambient temperature, initial engine temperature, and vehicle configurations such as partitions between rows and rear climate.

WARNING: Make sure to exercise caution when entering the vehicle after this procedure has completed. Interior surfaces and the IDS DLC cable will be hot.

16. After the procedure has completed, open doors and windows to allow for cooling for a minimum of 5 minutes before entering the vehicle.

17. Turn the climate control system on and set it to A/C to assist with further cool-down.

18. Remove the IDS DLC cable from the vehicle.

19. Remove the window gap material from the left front door.

20. After the vehicle has cooled, remove any temporary partitions installed for this procedure. Return any items removed from the vehicle and return the vehicle to the customer.

NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.